

DAFTAR PUSTAKA

- Afifuddin, dan B.A. Saebani. 2012. *Metodologi Penelitian*. Bandung: CV. Pustaka Setia.
- Arismunandar, Wiranto dan Koichi Tsuda. 1981. *Motor Diesel Putaran Tinggi*. Jakarta: PT. Pradnya Pratama.
- Fathoni, Abdurrahmat. 2006. *Metodelogi Penelitian dan Teknik Penyusunan Skripsi*. Jakarta: PT. Asdi Mahasatya.
- Final Drawing Diesel Generator MAN B&W 8L28/32H.
- Instruction Manual Book Diesel Generator MAN B&W 8L28/32H.
- Lewis, R dan R.S. Dwyer-Joyce. 2002. *Automotive Engine Valve Recession, Professional Engineering Publishing*. UK: London and Bury St Edmunds.
- Maanen, P. Van. 1997. *Motor Diesel Kapal Jilid 1 Nautech*. Jakarta: PT. Triasko Madra.
- Sears, Francis W. 1994. *Mekanika Panas dan Bunyi*. Jakarta: Binacipta.
- Soekarsono B.E., et al. 1976. *Petunjuk Perbaikan Motor Bensin / Diesel, Diktat Pendidikan Menengah Teknologi*.
- Sujarweni, V.W. 2014. *Metodologi Penelitian*. Yogyakarta: PT. Pustaka Baru.
- Widi, R.K. 2010. *Asas Metodologi Penelitian*. Yogyakarta: Graha Ilmu.

MV CAP ISABEL

FLAG	HONG KONG
PORT OF REGISTRY & IMO NUMBER	HONG KONG // 9484558
CALL SIGN & OFFICIAL NUMBER	VRGA2 / HK-2566
RADIO ACCOUNTING AUTHORITY/Accounting code	CY03
E-MAIL ADDRESS	master@cap.isabel.bsmfleet.com
INMARSAT: SAT- FLEET (' 77) :- /Voice/Fax/Data	VOICE 764950717/ 18/ 19/ 20 // FAX 764950721//
INMARSAT FBB: Voice/Fax	Voice 870773100904; Fax 870783106713
INMARSAT C	447702593 & 447702594
MMSI	477639500
CLASS & CLASSIFICATION DESIGNATION	DNV. + 1A1 Container Carrier E0 DG-P BIS
CLASS ID NO	30592
TYPE OF VESSEL	CONTAINER SHIP
BUILD YARD & BUILD NO & BUILD DATE	DAEWOO SHIPBUILDER & MARINE ENGINEERING/ 4188 / 2010
LOA x LBP x BREADTH x DEPTH	264.32 X 251.0 X 32.2 X 21.5
GROSS TONNAGE / NETT TONNAGE	47877/ 29554
SUMMER DISPLACEMENT	76926.8
DEADWEIGHT / DEADWEIGHT DRAFT	59269.5 / 13.521
SCANTLING DRAFT / DISPLACEMENT	13.521 / 76926.8
LIGHTSHIP/ DRAFT & AIR DRAFT	17657.2MT @ 4.053 m // 59.6M
MAIN ENGINE – MAKER AND TYPE	TYPE:MAN B&W 8K90MC-C6
MAIN ENGINE POWER	MCR 36,560 kW x 104.0 RPM
DIESEL ALTERNATORS	4 SETS, HYUNDAI 8H25/33
AUXILIARY BOILER	KANGRIM COMPOSITE BOILER & SSR-3.5 BURNER
BOW THRUSTER / STERN THRUSTER	B.T:1500kW / NA
CARGO HANDLING EQUIPMENT	NIL
CAPACITY – TEU and FEU	4608 TEU / 2263 FEU
NO. OF HOLDS AND HATCHES	7 HOLDS AND 14 HATCHES
NO OF REEFER SOCKETS AND TYPE OF REEFER SOCKET	516 440 v / 60 hz/32A/3 phases/4 pole plugs plus 99 additional sockets for stowage flexibility
LOOSE LASHING GEAR MANUFACTURER	SEC
DOES THE VESSEL COMPLY WITH OHSR RULES FOR USA	YES
FUEL CAPACITY – HFO / MDO	HFO tank including sett/ser tk , LSHFO tk including sett/ser tk 6,321,9m3 / MDO incl serv tank 244,9m3
HFO AND MDO SPECIFICATION (iso designation)	HFO up to 700 CSt at 50 C and MDO (ISO- F-DMC)
FRESH WATER CAPACITY	282.4MT
BALLAST WATER CAPACITY	14537.2 m3 / 14900.8 MT
OWNING COMPANY	
REGISTERED OWNERS	NEEDLE HILL LIMITED, 2602 K WAH CENTRE, 191 Java Road, North Point HONG KONG
CHARTERER	HAMBURG SUD
LAST TECHNICAL INSPECTION / NEXT INSPECTION	New Building 25-03-2010
LAST DRYDOCK / NEXT DRYDOCK	25-03-2010/ 25-03-2015
LAST SPECIAL SURVEY / NEXT SPECIAL SURVEY	NIL / 25/03/2015
LAST PSC INSPECTION	NEW YORK / 06-03-2013
ANTI-FOULING COATING SYSTEM	Sea-CareA 'IF7 95(H): red brown
BALLAST TANK COATING SYSTEM	KCC

CREW LIST

☒ Arrival
☐ Departure

1. Name of Ship M/V CAP ISABEL				2. Port of Arrival/Departure CARTAGENA			3. Date of Arrival 5-May-15	
4. Nationality of Ship HONG KONG				5. Port arrived from RODMAN				
6. No	7. Family Name, Given, M.I.	8. Sex	9. Rank	10. Nationality	11. Date and Place of Birth	12. Date & Place of sign on	13. Seaman's Book No. & Expiry Date	14. Passport No. & Expiry Date
1	ANAB Mohammad	M	Master	Bangladesh	17.12.1968 KHULNA	27.04.2015 Callao/Peru	C/O/1707 03.11.2020	AG7222663 18.09.2018
2	LOBKOV Andrey	M	Master Trainee	Russian	10.12.1972 USSR	22.01.2015 Callao/Peru	MK0019060 PERMANENT	726279493 30.09.2023
3	TOLMACHEVSKYY Kostyantyn	M	2/Off	Ukrainian	18.05.1984 Odessa	10.12.2014 Callao/Peru	AB 506962 13.02.2018	EP651936 10.01.2023
4	JAGUNAP Zynel Subtinente	M	3/Off	Filipino	04.02.1978 Leganes, Iloilo	16.03.2015 Callao/Peru	C0238411 13.06.2019	EB1896742 11.09.2016
5	WELIHEND Dhendra Gipa	M	Deck Cadet	Indonesian	18.11.1994 JAKARTA	10.01.2015 Port Everglades/USA	C061830 02.06.2017	A7898582 10.04.2019
6	MERKISHIN Aleksandr	M	Ch/Eng.	Russian	03.08.1977 USSR	10.01.2015 Port Everglades/USA	MK 0159079 PERMANENT	715917066 26.08.2021
7	SOKOLOV Vladimir	M	2/Eng.	Russian	27.07.1968 USSR	21.02.2015 Port Everglades/USA	MK 0195618 PERMANENT	728529648 24.04.2024
8	LIN Zaw	M	3/Eng.	Myanmar	23.06.1980 Yangon	05.04.2015 Port Everglades/USA	59590 24.01.2018	MA064865 22.01.2018
9	ARIEFIANSYAH Muhammad Fikqi	M	Engine Cadet	Indonesian	04.10.1994 BANGKALAN	10.01.2015 Port Everglades/USA	C061972 12.06.2017	A8182839 14.05.2019
10	JAVIER Christian Joseph Pineda	M	El.Eng	Filipino	15.12.1982 MARIKINA	10.01.2015 Port Everglades/USA	B1238234 19.09.2017	EC0410040 25.02.2019
11	MANALO Michael Angelo	M	Bosun	Filipino	28.12.1975 SAN JOSE	04.10.2014 Pecern/Brazil	C0290091 28.07.2019	EC1791987 01.08.2019
12	CALUBAYAN Winzorr Impreso	M	A/B1	Filipino	10.02.1981 Mabuan, Quezon	21.02.2015 Port Everglades/USA	B1183335 17.05.2017	EB2980585 08.07.2016
13	VERZOSA Franco Fernandez	M	A/B2	Filipino	02.05.1984 Maco Davao	10.12.2014 Callao/Peru	B1123487 17.01.2017	EB8812407 28.07.2018
14	BERNARDO Angelo Ramos	M	A/B3	Filipino	09.03.1976 Norzagaray	10.01.2015 Port Everglades/USA	C0363079 26.11.2019	EB9881379 25.12.2018
15	DELA RIARTE Ismael	M	O/S	Filipino	20.02.1981 NAGA CEBU	04.09.2014 Port Everglades/USA	B1020139 07.06.2016	EB4969139 16.03.2017
16	CABALLERO Carlo Yamas	M	Deck Trainee	Filipino	01.11.1993 CEBU CITY	10.11.2014 Callao/Peru	B1108190 14.12.2016	EB4397028 08.01.2017
17	SUMBILLO Armando Hijastro	M	Fitter	Filipino	05.06.1961 Dumagag	10.11.2014 Callao/Peru	C0063235 07.05.2018	EC1433066 17.06.2019
18	CURATIVO Jeff Albert Tulisana	M	Motorman	Filipino	27.09.1987 Manila	10.12.2014 Callao/Peru	C0052304 16.05.2018	EB7946971 22.04.2018
19	SA-ONNOY Angelo Javellana	M	Wiper	Filipino	17.12.1992 Barotac	21.02.2015 Port Everglades/USA	C0045822 13.05.2018	EB2010315 02.03.2016
20	ORITO Violeta Delig	M	C/Cook	Filipino	25.02.1978 UBAY BOHOL	22.01.2015 Callao/Peru	C0309404 17.11.2019	EC2608295 03.11.2019
21	TERUEL Wilfredo Jr. Neri	M	Messman	Filipino	21.03.1982 POTOTAN	04.10.2014 Pecern/Brazil	C0106360 23.07.2018	EB8507169 26.06.2018



Capt. ANAB MOHAMMAD
5-May-15

AUXILIARY ENGINE PERFORMANCE REPORT

Vessel Name:	Cap Isabel	Date:	16.05.15
At/ Sea Port:	At sea	Aux. Engine No.	2
Engine Maker	HYUNDAI-MAN B&W	Rating (Kw)	1600
Type / Model	8L28/32H	Rating (Kva)	2000
Engine No.	BA-1007-2	Voltage (V)	450
		Ampere (A)	2566
		Freq (Hz)	60
		Engine RPM	726
		Turbocharger RPM	2840

Coolants									
Jacket Cooler	<input checked="" type="checkbox"/>	F.W	<input type="checkbox"/>	S.W	<input type="checkbox"/>	LUB Oil Cooler	<input type="checkbox"/>	Jkt.W	<input checked="" type="checkbox"/>
Air Cooler	<input checked="" type="checkbox"/>	F.W	<input type="checkbox"/>	S.W	<input type="checkbox"/>	F.O Valve	<input type="checkbox"/>	Jkt.W	<input type="checkbox"/>
									F.W
									S.W
									D.O

Total running Hrs of Engine	37282	Running hrs since Last Air Cooler (Air side) Cleaned	7684
Running hrs since last Completed Overhauled	4421	Running hrs since Last Oil Renewed	4421
Running hrs since Last Top Overhauled	4421	L.O Consumption (Ltr/day)	33
Running hrs since last Turbocharger Overhauled	4147	Date Last L.O Analyzed	16.05.15
Running hrs since last Air Cooler (S.W side) Cleaned	N/A	Pentane insoluble (%)	N/A

FUEL OIL USED			
<input checked="" type="checkbox"/>	HFO	<input type="checkbox"/>	IFO
<input type="checkbox"/>	MDO	<input type="checkbox"/>	BLENDED

<input checked="" type="checkbox"/>	FO	<input type="checkbox"/>	DO
F.O CONSUMPTION		4,5	
(MT/DAY)			

TEST LOAD KW 1330 A 1950 % LOAD 75

PARAMETER		1	2	3	4	5	6	7	8	9	REMARKS
P. Compression	Kg/cm2	34	34	36	34	36	25	34	34		
P. Maximum	Bar	111	110	112	110	110	95	110	111		
Exhaust Gas Temperature	Deg. C	315	320	315	318	322	400	314	320		
Cooling water Outlet Temp	Deg. C	76	75	76	76	75	76	74	75		
Fuel Rack Position	MM	30	29	30	30	30	30	30	30		

COLOUR OF EXHAUST GAS : ☐ INVISIBLE ☐ VISIBLE BUT ACCEPTABLE ☒ SMOKY & UNACCEPTABLE

CONDITION OF LO FILTERS : ☐ ☐ ☐

PRESSURE	(kg /cm ²)	TEMPERATURES	(Deg. C)
Boost air Pressure	1,9	Boost Air Temperature	41
F.O Pressure	6,5	F.O Temperature	98
L.O Pressure	4,1	L.O Inlet Temperature	69
Turbocharger LO Pressure	1,7	F.W Inlet Temperature	74
F.W Pressure	2,58	S.W Temperature	26
S.W Pressure	N/A	L.T/HT CW Temperature	42/70
L.T/HT C.W. Pressure	1.4/2.9	L.O Cooler Inlet / Outlet Temperature	70/82
Rocker Arm L.O Pressure	N/A	F.W Cooler Inlet / Outlet Temperature	N/A
Fuel Pump L.O Pressure	N/A	T/C Gas Inlet Temperature (Group 1)	N/A
F.W Cooling Oil Pressure	N/A	T/C Gas Inlet Temperature (Group 2)	N/A
Fuel valve Cooling Oil Pressure	N/A	T/C Gas Outlet Temperature	330
Atmospheric Pressure (mBar)	1011	Engine Room Temperature	36
Air Cooler Differential Pressure	N/A	Ambient Temperature	25

Chief Engineer's
Comments

Superintendents
Comments

Sobolonskii Mikhail
Sign

Sign

AUXILIARY ENGINE PERFORMANCE REPORT

Vessel Name:	Cap Isabel	Date:	16.06.15
At/ Sea Port:	At sea	Aux. Engine No.	2
Engine Maker	HYUNDAI-MAN B&W	Rating (Kw)	1600
Type / Model	8L28/32H	Rating (Kva)	2000
Engine No.	BA-1007-2	Voltage (V)	450
		Ampere (A)	2566
		Freq (Hz)	60
		Engine RPM	726
		Turbocharger RPM	2869

Coolants									
Jacket Cooler	<input checked="" type="checkbox"/>	F.W	<input type="checkbox"/>	S.W	<input type="checkbox"/>	LUB Oil Cooler	<input type="checkbox"/>	Jkt.W	<input checked="" type="checkbox"/>
Air Cooler	<input checked="" type="checkbox"/>	F.W	<input type="checkbox"/>	S.W	<input type="checkbox"/>	F.O Valve	<input type="checkbox"/>	Jkt.W	<input type="checkbox"/>
									F.W
									S.W
									D.O

Total running Hrs of Engine	37282	Running hrs since Last Air Cooler (Air side) Cleaned	7684
Running hrs since last Completed Overhauled	4421	Running hrs since Last Oil Renewed	4421
Running hrs since Last Top Overhauled	4421	L.O Consumption (Ltr/day)	33
Running hrs since last Turbocharger Overhauled	4147	Date Last L.O Analyzed	16.06.15
Running hrs since last Air Cooler (S.W side) Cleaned	N/A	Pentane insoluble (%)	N/A

FUEL OIL USED			
<input checked="" type="checkbox"/>	HFO	<input type="checkbox"/>	IFO
<input type="checkbox"/>	MDO	<input type="checkbox"/>	BLENDED

<input checked="" type="checkbox"/>	FO	<input type="checkbox"/>	DO
F.O CONSUMPTION		4,5	
(MT/DAY)			

TEST LOAD KW 1330 A 1950 % LOAD 83

PARAMETER		1	2	3	4	5	6	7	8	9	REMARKS
P. Compression	Kg/cm2	36	37	36	36	35	36	36	36		
P. Maximum	Bar	112	111	110	112	111	108	110	112		
Exhaust Gas Temperature	Deg. C	330	320	330	325	330	330	325	325		
Cooling water Outlet Temp	Deg. C	78	74	76	77	76	74	74	75		
Fuel Rack Position	MM	32	31	32	32	32	32	32	32		

COLOUR OF EXHAUST GAS : ☒ INVISIBLE ☐ VISIBLE BUT ACCEPTABLE ☐ SMOKY & UNACCEPTABLE
CONDITION OF LO FILTERS :

PRESSURE	(kg /cm ²)	TEMPERATURES	(Deg. C)
Boost air Pressure	1,9	Boost Air Temperature	41
F.O Pressure	6,5	F.O Temperature	98
L.O Pressure	4,1	L.O Inlet Temperature	69
Turbocharger LO Pressure	1,7	F.W Inlet Temperature	75
F.W Pressure	2,58	S.W Temperature	26
S.W Pressure	N/A	L.T/HT CW Temperature	43/71
L.T/HT C.W. Pressure	1.4/2.9	L.O Cooler Inlet / Outlet Temperature	70/82
Rocker Arm L.O Pressure	N/A	F.W Cooler Inlet / Outlet Temperature	N/A
Fuel Pump L.O Pressure	N/A	T/C Gas Inlet Temperature (Group 1)	N/A
F.W Cooling Oil Pressure	N/A	T/C Gas Inlet Temperature (Group 2)	N/A
Fuel valve Cooling Oil Pressure	N/A	T/C Gas Outlet Temperature	320
Atmospheric Pressure (mBar)	1011	Engine Room Temperature	35
Air Cooler Differential Pressure	N/A	Ambient Temperature	26

Chief Engineer's
Comments

Superintendents
Comments

Sobolonskii Mikhail
Sign

Sign

Lampiran Gambar 4.15 – katup setelah perawatan



DAFTAR RIWAYAT HIDUP

Nama : Muhammad Fikqi Ariefiansyah
Tempat/tgl lahir : Bangkalan, 04 Oktober 1994
NIT : 49124608. T
Alamat Asal : JL. Kh Moch KHolil VIII / 9b
Bangkalan, Demangan

Agama : Islam
Pekerjaan : Taruna PIP Semarang
Status : Belum Kawin
Hobby : Basket

Orang Tua

Nama Ayah : Machmud Arief
Pekerjaan : Wiraswasta
Nama Ibu : Siti Laila
Pekerjaan : Wiraswasta
Alamat : JL. Kh Moch KHolil VIII / 9b
Bangkalan, Demangan

Riwayat Pendidikan

1. SD Negeri Demangan 2 Bangkalan Lulus Tahun 2006
2. SMP Negeri 4 Bangkalan Lulus Tahun 2009
3. SMA Negeri 1 Bangkalan Lulus Tahun 2012
4. Politeknik Ilmu Pelayaran Semarang 2012 Sampai Sekarang

Pengalaman Prala (Praktek Laut)

Kapal : MV. CAP ISABEL
Perusahaan : BERNHARD SCHULTE SHIPMANAGEMENT
Alamat : Jl. Pemuda No.61, Rawamangun, Jakarta .Timur.

